

Claims

1. Valve for discharging foaming agents from pressurized containers with said valve sealing off the pressurized container to the outside and being
5 provided with an outlet opening furnished with a closure part (4) movably arranged therein and retained in closed position by means of a spring element (21) and, when actuated externally, clearing an outlet opening for the foaming agent present in the pressurized container, said valve being mounted on a container cover designed to function as a valve disk (1),

10 c h a r a c t e r i z e d i n t h a t ,
the valve disk (1) has a sealing face designed to act as valve seat (6) with said sealing face interacting with a sealing element (7), and the valve disk (1) and the sealing element (7) being made of a rigid, functionally non-deformable material and the sealing effect being brought about by an elastic element (17) arranged
15 on the valve disk (1), and the spring element (9, 21, 30) that holds the sealing element (7) in closing position being directly secured to the valve disk (1).

2. The valve according to claim 1, characterized in that the movable closure part (4) is brought into and kept in closing position by the tractive force of a helical spring (9) with said helical spring (9) resting on a shoulder (10) of the
20 closure part (4).

3. The valve according to claim 1, characterized in that the movable closure part (4) is brought into and kept in closing position by the compressive force of a spring tongue (21) with the spring element (30) being secured to the inside of the valve disk (1).

4. The valve according to claim 3, characterized in that the spring element (30) is secured to the inside of the valve disk (1) in a form- and/or force-closed manner.

5 5. The valve according to claim 4, characterized in that the spring element (30) is secured to the valve disk (1) by a crimping or clamping method.

6. Valve according to any one of the above claims, characterized in that the elastic element (16, 17) is a sealing body or a sealing disk.

7. The valve according to claim 6, characterized in that the sealing disk (17) is arranged between the valve seat (6) and the sealing element (7).

10 8. The valve according to claim 6, characterized in that the sealing body (16) is fitted into an inner cylindrical extension of disk (1) and retained in position by upper and lower radial enlargements with the lower radial enlargement interacting with the valve seat (6) and the sealing element (7) so as to provide a tight seal.

15 9. The valve according to claim 7, characterized in that the sealing disk (17) is secured to the valve disk (1) by a crimping or clamping method.

10. Valve according to any one of the above claims, characterized in that the closure part (4) comprises of a valve stem and the sealing element (7) and being of one- or two-component design.

20 11. Valve according to any one of the above claims, characterized in that the base of the closure part (4) is enlarged radially to form the sealing element (7).

25 12. The valve according to claim 10, characterized in that the sealing element (7) is a separate, molded part that acts on the valve seat (6) via the elastic element (17).

13. The valve according to claim 12, characterized in that the sealing element (7) is a bowl-shaped, molded metallic part retained in closing position by means of a spring tongue (21) acting on the bottom.

5 14. Sealing element according to any one of the above claims, characterized in that the closure part (4) has been provided with an inside longitudinal bore terminating in radially extending bores or ducts.

15. The valve according to claim 14, characterized in that the apertures as per cross-sectional representation are shaped as a triangle turned upside down.

10 16. Valve according to any one of the above claims, characterized in that the valve disk (1) simultaneously acts as valve guide (8) for the closure part (4, 5) with the guide (8) of the valve disk (1) being designed as a central tubular element into which a cylindrical sealing body (16) has been fitted the base of which being enlarged radially to form a sealing disk (17).